

Dominic Waithe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8466777/publications.pdf>

Version: 2024-02-01

46
papers

2,037
citations

279487

23
h-index

288905

40
g-index

56
all docs

56
docs citations

56
times ranked

3334
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion and interaction dynamics of the cytosolic peroxisomal import receptor PEX5. <i>Biophysical Journal</i> , 2022, 121, 302a.	0.2	1
2	Oncogenic Gata1 causes stage-specific megakaryocyte differentiation delay. <i>Haematologica</i> , 2021, 106, 1106-1119.	1.7	8
3	Challenges of Using Expansion Microscopy for Super-resolution Imaging of Cellular Organelles. <i>ChemBioChem</i> , 2021, 22, 686-693.	1.3	26
4	Oxidation of Protein Kinase A Regulatory Subunit PKAR β Protects Against Myocardial Ischemia-Reperfusion Injury by Inhibiting Lysosomal-Triggered Calcium Release. <i>Circulation</i> , 2021, 143, 449-465.	1.6	29
5	Summary of two questionnaires designed to understand the research climate for Bioimage Analysts in the UK between 2016-2019. <i>F1000Research</i> , 2021, 10, 276.	0.8	0
6	Open-source browser-based software simplifies fluorescence correlation spectroscopy data analysis. <i>Nature Photonics</i> , 2021, 15, 790-791.	15.6	3
7	Hypoxia Regulates Endogenous Double-Stranded RNA Production via Reduced Mitochondrial DNA Transcription. <i>Frontiers in Oncology</i> , 2021, 11, 779739.	1.3	13
8	Congenital myasthenic syndrome due to mutations in <i>MUSK</i> suggests that the level of MuSK phosphorylation is crucial for governing synaptic structure. <i>Human Mutation</i> , 2020, 41, 619-631.	1.1	18
9	Ligand-dependent downregulation of MR1 cell surface expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10465-10475.	3.3	43
10	Object detection networks and augmented reality for cellular detection in fluorescence microscopy. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	24
11	CytoCensus, mapping cell identity and division in tissues and organs using machine learning. <i>ELife</i> , 2020, 9, .	2.8	16
12	Abstract 14219: Oxidation of PKA-R β Protects Against Ischemia-reperfusion Injury by Inhibiting Lysosomal-triggered Calcium Release. <i>Circulation</i> , 2020, 142, .	1.6	0
13	Proof-of-concept clinical trial of etokimab shows a key role for IL-33 in atopic dermatitis pathogenesis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	172
14	Molecular recognition of the native HIV-1 MPER revealed by STED microscopy of single virions. <i>Nature Communications</i> , 2019, 10, 78.	5.8	31
15	Measuring nanoscale diffusion dynamics in cellular membranes with super-resolution STED-FCS. <i>Nature Protocols</i> , 2019, 14, 1054-1083.	5.5	76
16	Measuring Hindered Diffusion Dynamics in Live Cell Plasma Membranes with Confocal and Super-Resolution Imaging. <i>Biophysical Journal</i> , 2019, 116, 327a-328a.	0.2	0
17	Active and inactive β 1 integrins segregate into distinct nanoclusters in focal adhesions. <i>Journal of Cell Biology</i> , 2018, 217, 1929-1940.	2.3	83
18	Optimized processing and analysis of conventional confocal microscopy generated scanning FCS data. <i>Methods</i> , 2018, 140-141, 62-73.	1.9	33

#	ARTICLE	IF	CITATIONS
19	SCL/TAL1 cooperates with Polycomb RYBP-PRC1 to suppress alternative lineages in blood-fated cells. Nature Communications, 2018, 9, 5375.	5.8	29
20	Lipid Composition but not Curvature Is the Determinant Factor for the Low Molecular Mobility Observed on the Membrane of Virus-Like Vesicles. Viruses, 2018, 10, 415.	1.5	12
21	A tissue-specific self-interacting chromatin domain forms independently of enhancer-promoter interactions. Nature Communications, 2018, 9, 3849.	5.8	62
22	Striking parallels between carotid body glomus cell and adrenal chromaffin cell development. Developmental Biology, 2018, 444, S308-S324.	0.9	22
23	Statistical Analysis of Scanning Fluorescence Correlation Spectroscopy Data Differentiates Free from Hindered Diffusion. ACS Nano, 2018, 12, 8540-8546.	7.3	27
24	Nanoscale Spatiotemporal Diffusion Modes Measured by Simultaneous Confocal and Stimulated Emission Depletion Nanoscopy Imaging. Nano Letters, 2018, 18, 4233-4240.	4.5	28
25	Diffusion of lipids and GPI-anchored proteins in actin-free plasma membrane vesicles measured by STED-FCS. Molecular Biology of the Cell, 2017, 28, 1507-1518.	0.9	110
26	Cytoskeletal actin dynamics shape a ramifying actin network underpinning immunological synapse formation. Science Advances, 2017, 3, e1603032.	4.7	143
27	Envelope glycoprotein mobility on HIV-1 particles depends on the virus maturation state. Nature Communications, 2017, 8, 545.	5.8	81
28	Polarity-Sensitive Probes for Superresolution Stimulated Emission Depletion Microscopy. Biophysical Journal, 2017, 113, 1321-1330.	0.2	63
29	Super-resolution Microscopy Reveals Compartmentalization of Peroxisomal Membrane Proteins. Journal of Biological Chemistry, 2016, 291, 16948-16962.	1.6	66
30	T-Cells in Suspension Do Not Show Pre-Clustered LCK. Biophysical Journal, 2016, 110, 570a.	0.2	0
31	Predicting the three-dimensional folding of cis-regulatory regions in mammalian genomes using bioinformatic data and polymer models. Genome Biology, 2016, 17, 59.	3.8	97
32	A comparative study on fluorescent cholesterol analogs as versatile cellular reporters. Journal of Lipid Research, 2016, 57, 299-309.	2.0	78
33	Super-Resolved Traction Force Microscopy (STFM). Nano Letters, 2016, 16, 2633-2638.	4.5	86
34	FoCuS-point: software for STED fluorescence correlation and time-gated single photon counting. Bioinformatics, 2016, 32, 958-960.	1.8	57
35	3-D Density Kernel Estimation for Counting in Microscopy Image Volumes Using 3-D Image Filters and Random Decision Trees. Lecture Notes in Computer Science, 2016, , 244-255.	1.0	0
36	Spectral Imaging to Measure Heterogeneity in Membrane Lipid Packing. ChemPhysChem, 2015, 16, 1387-1394.	1.0	98

#	ARTICLE	IF	CITATIONS
37	QuantiFly: Robust Trainable Software for Automated Drosophila Egg Counting. PLoS ONE, 2015, 10, e0127659.	1.1	28
38	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. Journal of Immunology, 2015, 194, 5417-5425.	0.4	15
39	STED-FLCS: An Advanced Tool to Reveal Spatiotemporal Heterogeneity of Molecular Membrane Dynamics. Nano Letters, 2015, 15, 5912-5918.	4.5	71
40	Platelet Activating Factor Contributes to Vascular Leak in Acute Dengue Infection. PLoS Neglected Tropical Diseases, 2015, 9, e0003459.	1.3	55
41	A straightforward approach for gated STED-FCS to investigate lipid membrane dynamics. Methods, 2015, 88, 67-75.	1.9	50
42	Peroxisomal Import Reduces the Proapoptotic Activity of Deubiquitinating Enzyme USP2. PLoS ONE, 2015, 10, e0140685.	1.1	9
43	Î²-Subunits Promote the Expression of CaV2.2 Channels by Reducing Their Proteasomal Degradation. Journal of Biological Chemistry, 2011, 286, 9598-9611.	1.6	104
44	Stargazin-related protein Î³7 is associated with signalling endosomes in superior cervical ganglion neurons and modulates neurite outgrowth. Journal of Cell Science, 2011, 124, 2049-2057.	1.2	7
45	The Stargazin-Related Protein Î³7 Interacts with the mRNA-Binding Protein Heterogeneous Nuclear Ribonucleoprotein A2 and Regulates the Stability of Specific mRNAs, Including Ca _v 2.2. Journal of Neuroscience, 2008, 28, 10604-10617.	1.7	35
46	Bridging the gap between in silico and cell-based analysis of the nuclear factor-Î²B signaling pathway by in vitro studies of IKK2. FEBS Journal, 2007, 274, 1678-1690.	2.2	20